



®

MIRAB CO.

Manufacturer of Industrial Valves
and Relevant Equipment

Metal Seat Gate Valves



www.mirab-valves.com

Metal Seat Gate Valves

Size: DN 50 – 300 mm

Pressure: PN 10 – 40 bar

Flanges according to: DIN EN 1092 – 2 (DIN 2501)

Face to Face: DIN EN 558 - 1 series 14/15 (DIN 3202 - F4 & F5)

Product Features:

Mirab metal seat gate valve is produced of casting carbon steel (ASTM A216) in body & bonnet, this type of gate valves makes a reliable sealing by means of its metallic sealing mechanism. Sealing surfaces of body and wedge are made of stainless steel AISI 304. This type of valve can be equipped by manual or electrical actuators. Valves will close when the stem turns in clockwise direction and it will be opened with a counter clockwise rotation of stem.

Application:

Metal sealing gate valves are suitable for opening & closing of fluids flow, Fluid medium can be: drinking water or raw water – waste water – steam and gases – sewage.

Corrosion Protection:

Inner & outer of body is fully coated with special paint which is resistant up to 150°C & its according to drinking water requirements.

Actuators:

This type of gate valve is manufactured with electric actuator and hand-wheel, if needed pneumatic & hydraulic actuators can be supplied upon request.

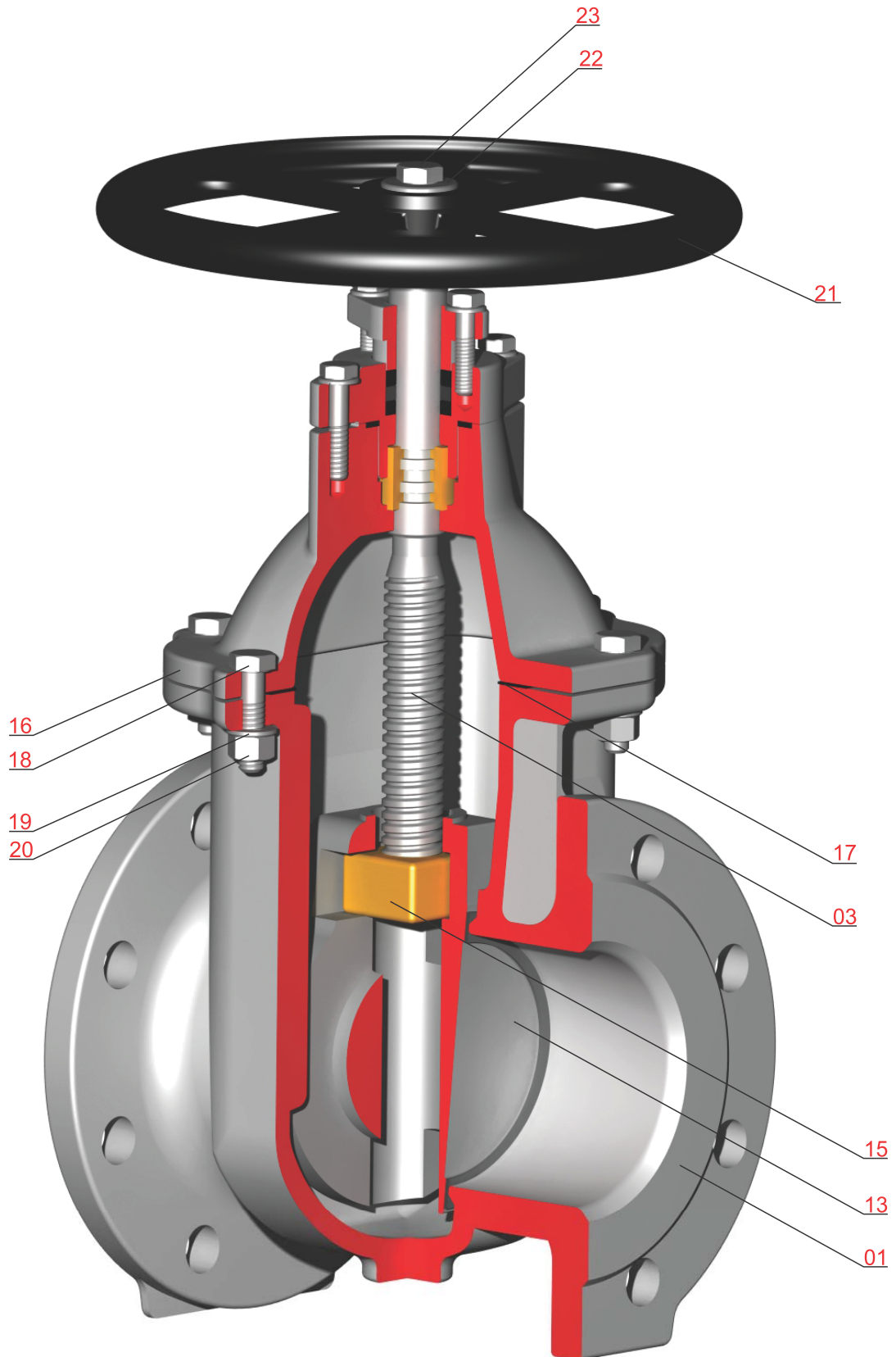
Hydrostatic test Pressure (bar) according to DIN EN 12266-1

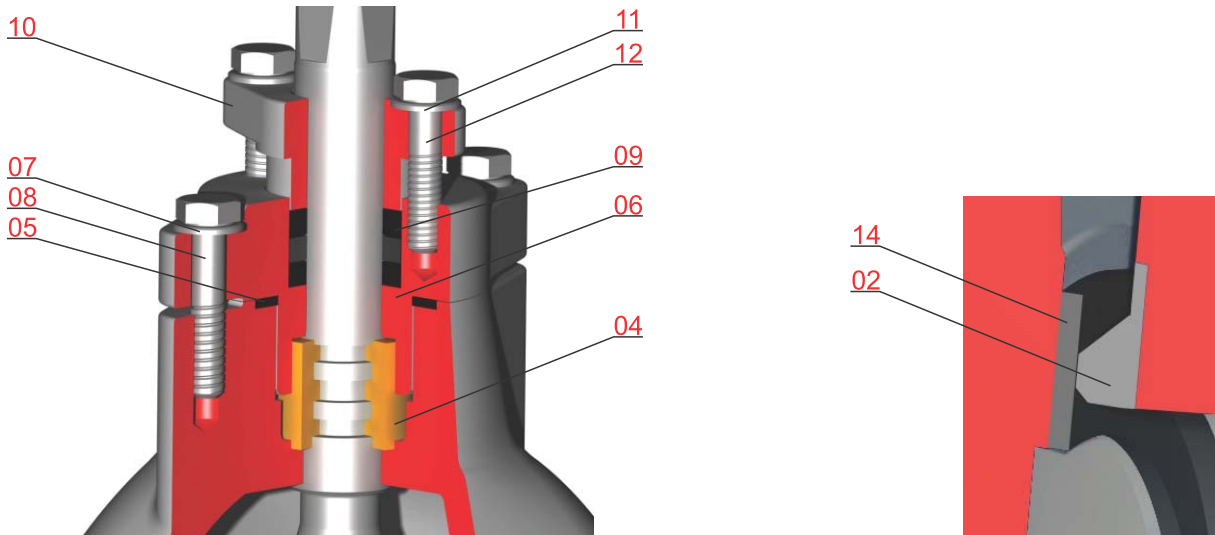
Nominal Pressure PN (bar)	Shell Test	Closure Test
10	17	11
16	25	18
25	38	28
40	60	44





Part List





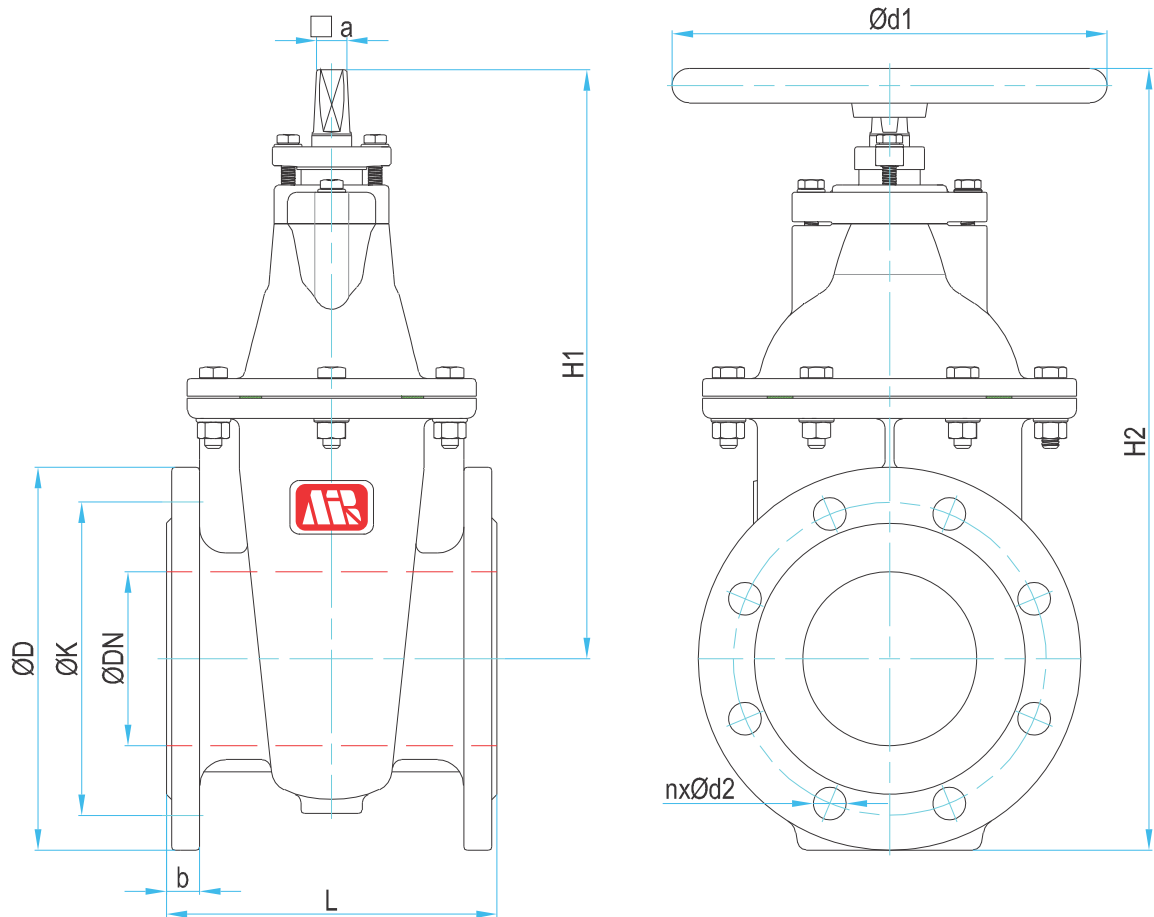
Part No.	Part Name	Part Material	1	2
01	Body	*ASTM A216 Gr .WCB		
02	Body sealing ring	** 18Cr- 8Ni (S. St 304)		
03	Stem	DIN EN 10088-3/1.4021	•	
04	Bush	Brass	•	
05	Sealing washer	Tesnit Gr.BA-GL	•	•
06	Stuffing box	*ASTM A216 Gr.WCB		
07	Washer	DIN ISO 898-2 Property Class 8,Zinc Plated		
08	Hex. Bolt	DIN ISO 898-1 Property Class 8,8,Zinc Plated		
09	Packing	Graphite	•	•
10	Gland	*ASTM A216 Gr.WCB	•	
11	Washer	DIN ISO 898-2 Property Class 8,Zinc Plated		
12	Hex. Bolt	DIN ISO 898-1 Property Class 8,8,Zinc Plated		
13	Wedge	*ASTM A216 Gr.WCB		
14	Wedge sealing ring	**DIN EN 10088-3/1.4301		
15	Stem nut	DIN EN 12163/2.0540	•	
16	Bonnet	*ASTM A216 Gr.WCB		
17	Washer	Tesnit /Gr.BA-GL	•	•
18	Hex.Bolt	DIN ISO 898-1 Property Class 8,8,Zinc Plated		
19	Washer	DIN ISO 898-2 Property Class 8,Zinc Plated		
20	Luck nut	ISO 898-2 Property Class 8, Zinc Plated		
21	Hand wheel	EN 1563/ EN-GJS-400-15 / St 37-2		
22	Washer	DIN ISO 898-2 Property Class 8,Zinc Plated		
23	Hex. Bolt	DIN ISO 898-1 Property Class 8,8,Zinc Plated		

1-Recommended Spare Parts

2-Parts Subjected to Wear

*EN-GJS-400-15 with Brass Ring available on request.

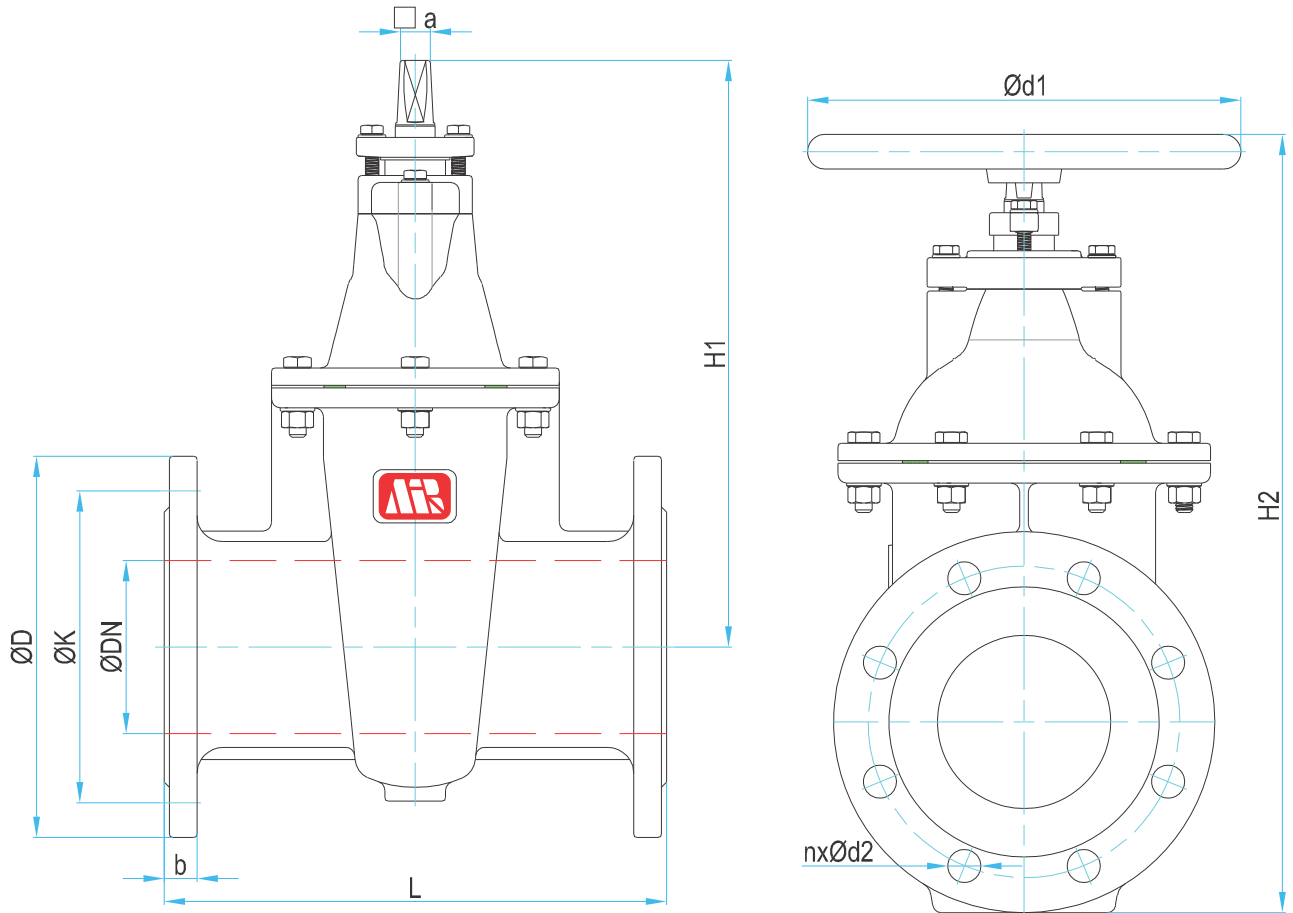
**Brass available on request

Dimensions & Weight / Metal Seat Gate Valves (F4)


• DIN EN 1092-2 (DIN 2501)

• DIN EN 558-1 series 14 (DIN 3202 F4)

ØDN mm	PN bar	$\cdot L$ mm	$\cdot \text{ØD}$ mm	$\cdot \text{ØK}$ mm	$\cdot n$	$\cdot \text{Ød2}$ mm	b	H1 mm	H2 mm	a mm	Ød1 mm	Weight Kg
50	10/16	150	165	125	4	19	19	238	325.5	11	200	13
65	10/16	170	185	145	4	19	19	282	378	14	200	18
80	10/16	180	200	160	8	19	19	309.5	413	14	200	22
100	10/16	190	220	180	8	19	19	338.5	451	17	250	27
125	10/16	200	250	210	8	19	19	400.5	528.5	17	250	39
150	10/16	210	285	240	8	23	19	442	587.5	17	360	50
200	10	230	340	295	8	23	20	536.5	711	19	360	82
	16				12							
250	10	250	400	350	12	23	22	674	876.5	27	500	135
	16			355		28						
300	10	270	455	400	12	23	24.5	756	988.5	27	500	205
	16			410		28						

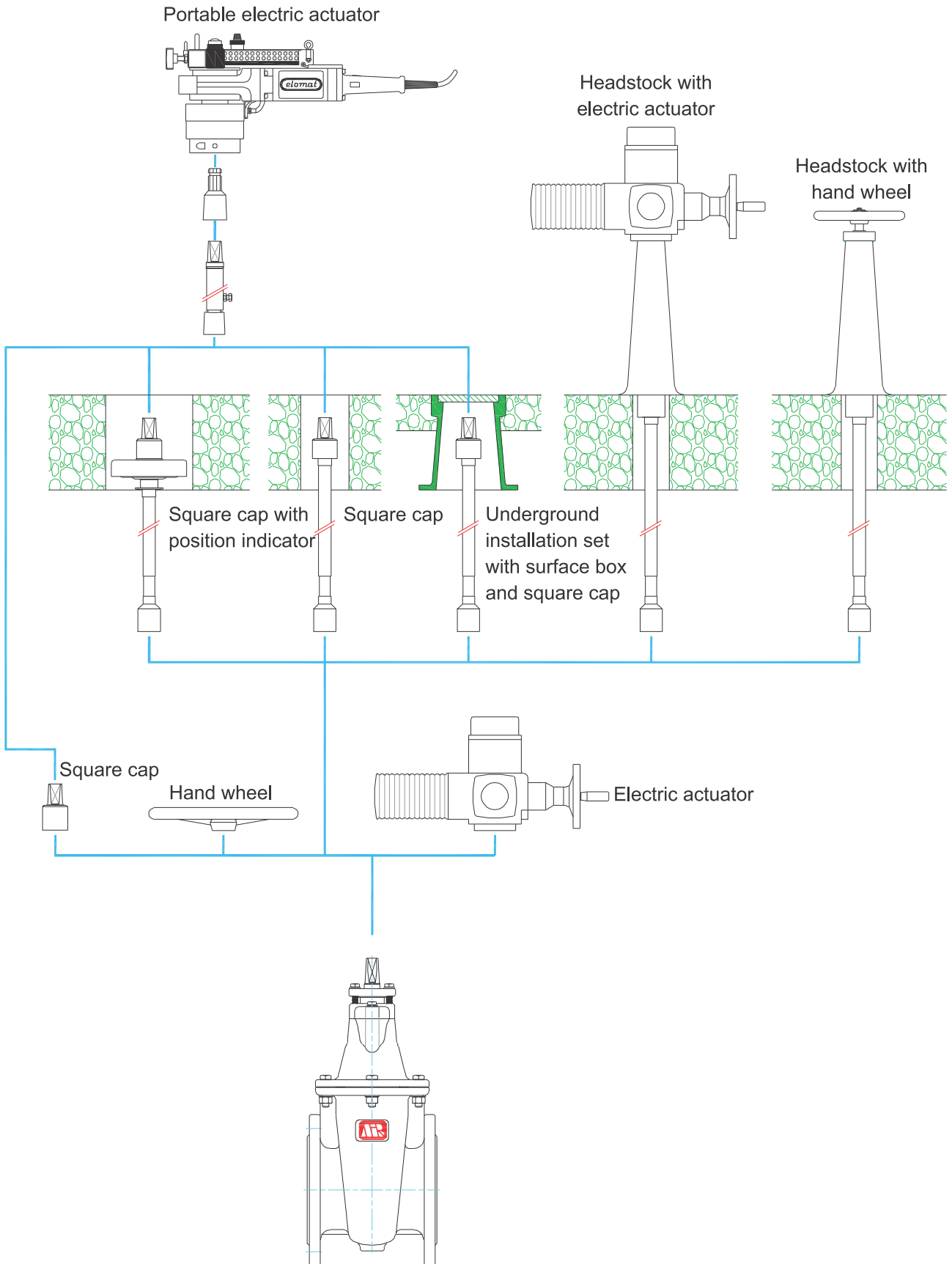
Dimensions & Weight / Metal Seat Gate Valves (F5)


• DIN EN 1092-2 (DIN 2501)

• DIN EN 558-1 series 15 (DIN 3202 F5)

ØDN mm	PN bar	•L mm	•ØD mm	•ØK mm	•n	•Ød2 mm	b	H1 mm	H2 mm	a mm	Ød1 mm	Weight Kg
50	10/16	250	165	125	4	19	19	238	325.5	14	200	14
65	10/16	270	185	145	4	19	19	282	378	17	200	19
80	10/16	280	200	160	8	19	19	309.5	413	17	200	24
100	10/16	300	220	180	8	19	19	338.5	451	19	250	29
125	10/16	325	250	210	8	19	19	400.5	528.5	19	250	42
150	10/16	350	285	240	8	23	19	442	587.5	19	360	55
200	10	400	340	295	8	23	20	536.5	711	24	360	92
	16				12							
250	10	450	400	350	12	23	22	674	876.5	27	500	150
	16			355		28						
300	10	500	455	400	12	23	24.5	756	988.5	27	500	228
	16			410		28						

Types of actuators



MIRAB Co' PRODUCTS

Butterfly Valves Family: Double Flanged Type, Butt-weld End, Wafer Type, Lug Type, Hydraulic Actuated, Pneumatic Actuated.

Gate Valves Family: Soft-Sealing Gate Valve, Metal Seat Gate Valve, Knife Gate Valve, Sluice Gate Valve.

Non Return Valves Family: Tilting Disc with Counter Weight, Tilting Disk with Counter Weight and Hydraulic Damper, Swing Check Valve, Silent Check Valve, Foot Valve, Nozzle Check Valve, Wafer Pattern Check Valve, Flap Valve.

Air Vent Family: Single Chamber - Double Orifices , Double Chambers - Double Orifices, Sewage Air Valves, Large - Orifice Air Valve.

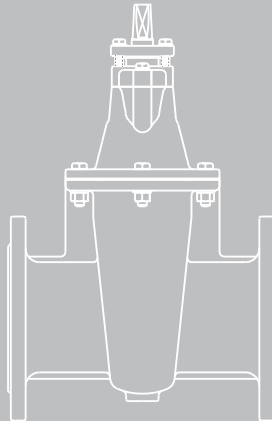
Control Valves Family: Automatic Control Valves, Needle Valve, Globe Valve, Fixed Cone Free Discharge Valve, Hollow Jet Valve, Sleeve Valve.

Hydrant Valves Family: Standing Type, Pit Type, Wet Barrel Fire Fighting Valve, Post Indicator Valve.

Strainers Family: Y Type, T Type, One Side Flanged Type.

Fittings Family: Dismantling Joint F1&F2, Pipe Coupling, Flange.

Actuators: Electrical, Hydraulic, Pneumatic, Portable Electrical.



MIRAB CO.

Head office: #9, 14th Alley,
N. Gol Afshan St., Dadman Blvd.,
Shahrak-e-Qods,
Tehran, 14697-85171, Iran
Tel: +98 (0)21 88372220
Fax: +98 (0)21 88577508

Plant #1: 28th St.,
Km 10 of Karaj Special Rd.,
Tehran, 13897-15851,
Iran
Tel: +98 (0)21 44545650
Fax: +98 (0)21 44545658

Plant #2: Sarvestan Blvd.,
Shams-Abad Industrial zone,
Km 40 of Tehran-Qom Highway,
Tehran, 18341-86581,
Iran
Tel: +98 (0)21 44545656

P.O.Box: 18335-365

info@mirab-valves.com